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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/689,777	10/20/2003	Paul M. Payton	40092-029100	4525	
31824 7590 02/21/2007 MCDERMOTT WILL & EMERY LLP 18191 VON KARMAN AVE.			EXAMINER:		
			. BALI, VIKKRAM		
SUITE 500 IRVINE, CA 9	2612-7108		ART UNIT .	PAPER NUMBER	
,			2624		
SHORTENED STATUTOR	RY PERIOD OF RESPONSE	MAIL DATE	DELIVER	DELIVERY MODE	
3 MONTHS		02/21/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)			
		10/689,777	PAYTON, PAUL M.			
	Office Action Summary	Examiner	Art Unit			
		Vikkram Bali	2624			
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLICHEVER IS LONGER, FROM THE MAILING DISTRICT STATES AND THE MAILING DEPLY WITH THE MAILING DEPLY WITH THE MAILING THE MAILING DEPLY WITH THE MAILING DEPLY WITH THE MAILING THE MAILING DEPLY WITH THE MAILING THE MAILIN	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status			·			
1)⊠ 2a)□ 3)□	Responsive to communication(s) filed on <u>25 A</u> This action is FINAL . 2b) This Since this application is in condition for alloward closed in accordance with the practice under A	s action is non-final. ince except for formal matters, pro				
Disnositi	on of Claims					
Disposition of Claims						
 4) Claim(s) 1-31 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-31 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Applicati	on Papers					
Application Papers						
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 20 October 2003 is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment	· · · · · · · · · · · · · · · · · · ·					
2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date 2/13/2004	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			
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Art Unit: 2624

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 2. Claims 1-28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 3. Regarding claims 1, 14 and 16, the phrase "such that" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

Claims 2-13, 15 and 17-28 depend upon independent claims 1, 14 and 16 and therefore, are rejected too.

The term "the first RPC" in claim 1, line 12-13 renders the claim indefinite. The term "the first RPC" should read as "the second RPC".

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Application/Control Number: 10/689,777

Art Unit: 2624

5. Claims 29-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Geometric Invariants for Rational Polynomial Cameras, by Barrett et al., IEEE 0-7695-0978-9/00 (hereinafter Barrett).

Page 3

With respect to claim 29, Barrett discloses first and second aerial images having respective first and second sets of rational polynomial coefficients (RPCs), wherein the first and second aerial images and the rectified image include overlapping image locations, (see abstract, figure 1, and section 2 on page 226). However, he fails to explicitly disclose generating the height information as claimed in the claims. But, as shown in the figure 1, the Z is the third axis as the height of the object. Therefore, it would have been obvious to one ordinary skilled in the art at the time of invention to simply utilize the teachings of the Barrett, to consider the height information derivation in order to locate the object in the space.

With respect to claim 29, he further discloses, the first and second aerial images are not stereographic images, (see figure 1, the two cameras 1 and 2 taking the image of the object "stereographic images") as claimed.

With respect to claim 30, he further discloses, generating a version of the rectified image that includes the height information, (see page 225 last half page to page 226 second column) as claimed.

Allowable Subject Matter

6. Claims 1-28 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Art Unit: 2624

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vikkram Bali whose telephone number is 571.272.7415. The examiner can normally be reached on 7:00 AM - 3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen Lillis can be reached on 571.272.6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Vikkram Bali

Primary Examine
Art Unit 2624

vb

February 12, 2007